

L Number	Hits	Search Text	DB	Time stamp
1	2268	(breast adj1 cancer) SAME (expression)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/09 15:08
2	2731	(breast adj1 (cancer tumor)) SAME (expression)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/09 15:08
3	1832	((breast adj1 (cancer tumor)) SAME (expression)) and ((cancer tumor) SAME (diagnos\$))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/09 15:09
4	1690	((breast adj1 (cancer tumor)) SAME (expression)) and ((cancer tumor) SAME (diagnos\$)) and (antibody)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/09 15:09
5	1424	((breast adj1 (cancer tumor)) SAME (expression)) and ((cancer tumor) SAME (diagnos\$)) and (antibody) and (monoclonal SAME antibody)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/09 15:09
6	770	((breast adj1 (cancer tumor)) SAME (expression)) and ((cancer tumor) SAME (diagnos\$)) and (antibody) and (monoclonal SAME antibody) and (diagnos\$ SAME antibody SAME expression)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/09 15:10

L Number	Hits	Search Text	DB	Time stamp
1	2	("6455678").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/09 14:05
2	2	((("6455678").PN.) and (cancer tumor)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/09 14:21
3	2	("20020048763").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/09 14:21
4	1	((("20020048763").PN.) and (cancer\$ tumor\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/09 14:50
5	1232	((breast adj1 (cancer tumor)) SAME (antibody) and detection	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/09 14:54
6	1	((breast adj1 (cancer tumor)) SAME (antibody) and detection) and (CZA8)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/09 14:55
7	678	((breast adj1 (cancer tumor)) SAME (antibody) and detection) and (diagnos\$ SAME breast)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/09 14:56
8	598	((breast adj1 (cancer tumor)) SAME (antibody) and detection) and (diagnos\$ SAME breast)) and (diagnos\$ SAME antibody)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/09 14:56
9	550	((breast adj1 (cancer tumor)) SAME (antibody) and detection) and (diagnos\$ SAME breast)) and (diagnos\$ SAME antibody)) and (antibody SAME monoclonal)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/09 14:56

SEQ ID NO: 2

US-08-842-382-2

; Sequence 2, Application US/08842382

; Patent No. 6455678

; GENERAL INFORMATION:

; APPLICANT: Miraglia, Sheri

; APPLICANT: Godfry, Wayne G.

; APPLICANT: Yin, Amy H.

; APPLICANT: Buck, David W.

; TITLE OF INVENTION: HUMAN HEMATOPOIETIC STEM AND PROGENITOR

; TITLE OF INVENTION: CELL ANTIGEN AND METHODS FOR ITS USE

; NUMBER OF SEQUENCES: 2

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: COOLEY GODWARD LLP

; STREET: 5 PALO ALTO SQUARE

; CITY: PALO ALTO

; STATE: CA

; COUNTRY: USA

; ZIP: 94306

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/842,382

; FILING DATE: 23-APR-1997

; CLASSIFICATION: 436

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/639,891

; FILING DATE: 26-APR-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: Neeley, Richard L.

; REGISTRATION NUMBER: 30,092

; REFERENCE/DOCKET NUMBER: AMCE-012/01US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 843-5070

; TELEFAX: (415) 857-0663

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 865 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-842-382-2

Query Match 100.0%; Score 4494; DB 4; Length 865;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 865; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy      1 MALVLGSLLLGLCGNSFSGGQPSSTDAPKAWNYELPATNYETQDSHKAGPIGILFELVH 60
        |||
Db      1 MALVLGSLLLGLCGNSFSGGQPSSTDAPKAWNYELPATNYETQDSHKAGPIGILFELVH 60

Qy     61 IFLYVVQPRDFPEDTLRKFLQKAYESKIDYDKPETVILGLKIVYYEAGIILCCVLGLLFI 120
        |||
Db     61 IFLYVVQPRDFPEDTLRKFLQKAYESKIDYDKPETVILGLKIVYYEAGIILCCVLGLLFI 120

Qy    121 ILMPLVGYYFFCMCRCCNKC GGEMHQKENGPF LRKCF AISLLVICIIISIGIFYGFVAN 180
        |||
Db    121 ILMPLVGYYFFCMCRCCNKC GGEMHQKENGPF LRKCF AISLLVICIIISIGIFYGFVAN 180

Qy    181 HQVRTRIKRSRKLADSNFKDLRTLNETPEQIKYILAQYNTTKDKAFTDLNSINSVLGGG 240
        |||
Db    181 HQVRTRIKRSRKLADSNFKDLRTLNETPEQIKYILAQYNTTKDKAFTDLNSINSVLGGG 240

Qy    241 ILDRLRPNII PVLDEIKSMATAIKETKEALENMNSTL KSLHQQSTQLSSSLTSVKTS LRS 300

```

Db	241		ILDRLRPNII	PVLDEIKSMATAIKETKEALENMNSTLKS	LHQSTQLSSSLTSVK	SLRS	300
Qy	301		SLNDPLCLVHP	SSETCNSIRLSLSQLNSNP	ELRQLPPVDAELDNV	NNVLR	360
Db	301		SLNDPLCLVHP	SSETCNSIRLSLSQLNSNP	ELRQLPPVDAELDNV	NNVLR	360
Qy	361		YQSLNDIPDRV	QRQT	TTVVAGIKRVLNSIGSD	IDNVTQRLPIQDIL	320
Db	361		YQSLNDIPDRV	QRQT	TTVVAGIKRVLNSIGSD	IDNVTQRLPIQDIL	320
Qy	421		HRNLPTLEEY	DSYWWLGGLVICSL	TLIVIFYYLGLLCGVC	GYDRHATPTTRGCV	380
Db	421		HRNLPTLEEY	DSYWWLGGLVICSL	TLIVIFYYLGLLCGVC	GYDRHATPTTRGCV	380
Qy	481		VFLMVG	VGLSFLFCWILMII	IVLTFVFGANVEKL	ICEPYTSKELFRV	340
Db	481		VFLMVG	VGLSFLFCWILMII	IVLTFVFGANVEKL	ICEPYTSKELFRV	340
Qy	541		YLSGKLF	NKSKMKLT	FEQVYSDCKKNRGT	YGT	300
Db	541		YLSGKLF	NKSKMKLT	FEQVYSDCKKNRGT	YGT	300
Qy	601		LKVN	LNIFLLGAAGRKNLQ	DFAACGIDRMNYDS	YLAQTGKSPAGVN	360
Db	601		LKVN	LNIFLLGAAGRKNLQ	DFAACGIDRMNYDS	YLAQTGKSPAGVN	360
Qy	661		LPPGNLR	NSLKRDAQTIKTI	HQQRVLP	IEQSLSTLYQSVKIL	320
Db	661		LPPGNLR	NSLKRDAQTIKTI	HQQRVLP	IEQSLSTLYQSVKIL	320
Qy	721		DFAQNFIT	NNTSSVIEETKKYGR	TIIGYFEHYLQWIEF	SISEKVASCKPV	380
Db	721		DFAQNFIT	NNTSSVIEETKKYGR	TIIGYFEHYLQWIEF	SISEKVASCKPV	380
Qy	781		VFLCSYIID	PLNLFWFGIGKATV	FLLPALIFAVKLAKY	YRRMDS	340
Db	781		VFLCSYIID	PLNLFWFGIGKATV	FLLPALIFAVKLAKY	YRRMDS	340
Qy	841		NGNNGYHK	DHVG	GIHNPVMTSPSQH		300
Db	841		NGNNGYHK	DHVG	GIHNPVMTSPSQH		300

SEQ ID NO: 2

ABB37952

ID ABB37952 standard; Peptide; 72 AA.

XX

AC ABB37952;

XX

DT 04-FEB-2002 (first entry)

XX

DE Peptide #5458 encoded by human foetal liver single exon probe.

XX

KW Human; foetal liver; gene expression; single exon nucleic acid probe.

XX

OS Homo sapiens.

XX

PN WO200157277-A2.

XX

PD 09-AUG-2001.

XX

PF 30-JAN-2001; 2001WO-US00669.

XX

PR 04-FEB-2000; 2000US-0180312.

PR 26-MAY-2000; 2000US-0207456.

PR 30-JUN-2000; 2000US-0608408.

PR 03-AUG-2000; 2000US-0632366.

PR 21-SEP-2000; 2000US-0234687.

PR 27-SEP-2000; 2000US-0236359.

PR 04-OCT-2000; 2000GB-0024263.

XX

PA (MOLE-) MOLECULAR DYNAMICS INC.

XX

PI Penn SG, Hanzel DK, Chen W, Rank DR;

XX

DR WPI; 2001-483447/52.

XX

PT Human genome-derived single exon nucleic acid probes useful for

PT analyzing gene expression in human fetal liver -

XX

PS Claim 27; SEQ ID NO 30587; 639pp + sequence listing; English.

XX

CC The invention relates to a single exon nucleic acid probe for
 CC measuring human gene expression in a sample derived from human foetal
 CC liver. The single exon nucleic acid probes may be used for predicting,
 CC measuring and displaying gene expression in samples derived from human
 CC fetal liver. The present sequence is a peptide encoded by a single exon
 CC nucleic acid probe of the invention.

CC Note: The sequence data for this patent did not form part of the
 CC printed specification, but was obtained in electronic format directly
 CC from WIPO at ftp.wipo.int/pub/published_pct_sequences.

XX

SQ Sequence 72 AA;

Query Match 7.9%; Score 353; DB 22; Length 72;

Best Local Similarity 100.0%; Pred. No. 8.3e-23;

Matches 72; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 263 IKETKEALENMNSTLKSLHQQSTQLSSSLTSVKTSLSRSSLNDPLCLVHPSSETCNSIRLS 322

Db 1 IKETKEALENMNSTLKSLHQQSTQLSSSLTSVKTSLSRSSLNDPLCLVHPSSETCNSIRLS 60

Qy 323 LSQLNSNPQLRQ 334

Db 61 LSQLNSNPQLRQ 72

SEQ ID NO: 4

US-09-864-761-38497

; Sequence 38497, Application US/09864761

; Patent No. US20020048763A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharron G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES
USEFUL FOR

; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

; FILE REFERENCE: Aeomica-X-1

; CURRENT APPLICATION NUMBER: US/09/864,761

; CURRENT FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB 24263.6

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/00666

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00665

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00668

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00663

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00662

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00661

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00670

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 60/234,687

; PRIOR FILING DATE: 2000-09-21

; PRIOR APPLICATION NUMBER: US 09/608,408

; PRIOR FILING DATE: 2000-06-30

; PRIOR APPLICATION NUMBER: US 09/774,203

; PRIOR FILING DATE: 2001-01-29

; NUMBER OF SEQ ID NOS: 49117

; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1

; SEQ ID NO 38497

; LENGTH: 72

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; OTHER INFORMATION: MAP TO AC005598.6

; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.4

; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.8

; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.5

; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 3.5

; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.5

; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 4

; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.8

; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3

; OTHER INFORMATION: EST_HUMAN HIT: AU133399.1, EVALUE 3.00e-17
US-09-864-761-38497

Query Match 7.9%; Score 353; DB 10; Length 72;
Best Local Similarity 100.0%; Pred. No. 5.7e-21;
Matches 72; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy 253 IKETKEALENMNSTLKSLHQQSTQLSSSLTSVKTSLRSSLNDPLCLVHPSSSETCNSIRLS 312
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1 IKETKEALENMNSTLKSLHQQSTQLSSSLTSVKTSLRSSLNDPLCLVHPSSSETCNSIRLS 60

Qy 313 LSQLNSNPQLRQ 324
      ||||||||||||
Db 61 LSQLNSNPQLRQ 72
```